US ROUTE 13 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

D3-2 VAR X 16" — UMES BOULEVARD — 8

R3-2 30"X30" — 9

ASSOCIATED SHIELD ASSEMBLY 24"X51" — SOUTH 13 — 10

ASSOCIATED SHIELD ASSEMBLY 24"X51" — NORTH 13 — 11

R5-1 30"X30" — DO NOT ENTER — 12,13,14

W3-3 36"X36" — 15,16

R6-1R 36"X12" — ONE WAY — 17

KEEP LEFT — 18

PROPOSED SIGNS (SHOWN ON SIGNING PLAN)

OM-1(1) 18"X18" — 19,20

R4-7 24"X30" — 21

TO BE INSTALLED BY OTHERS

GM13 — TRAFFIC FROM RIGHT DOES NOT STOP — 22

PROPOSED SIGNAL

R — Y — G — 1-7

NEMA PHASING

Ø 5 — Ø 6 — Ø 3

FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

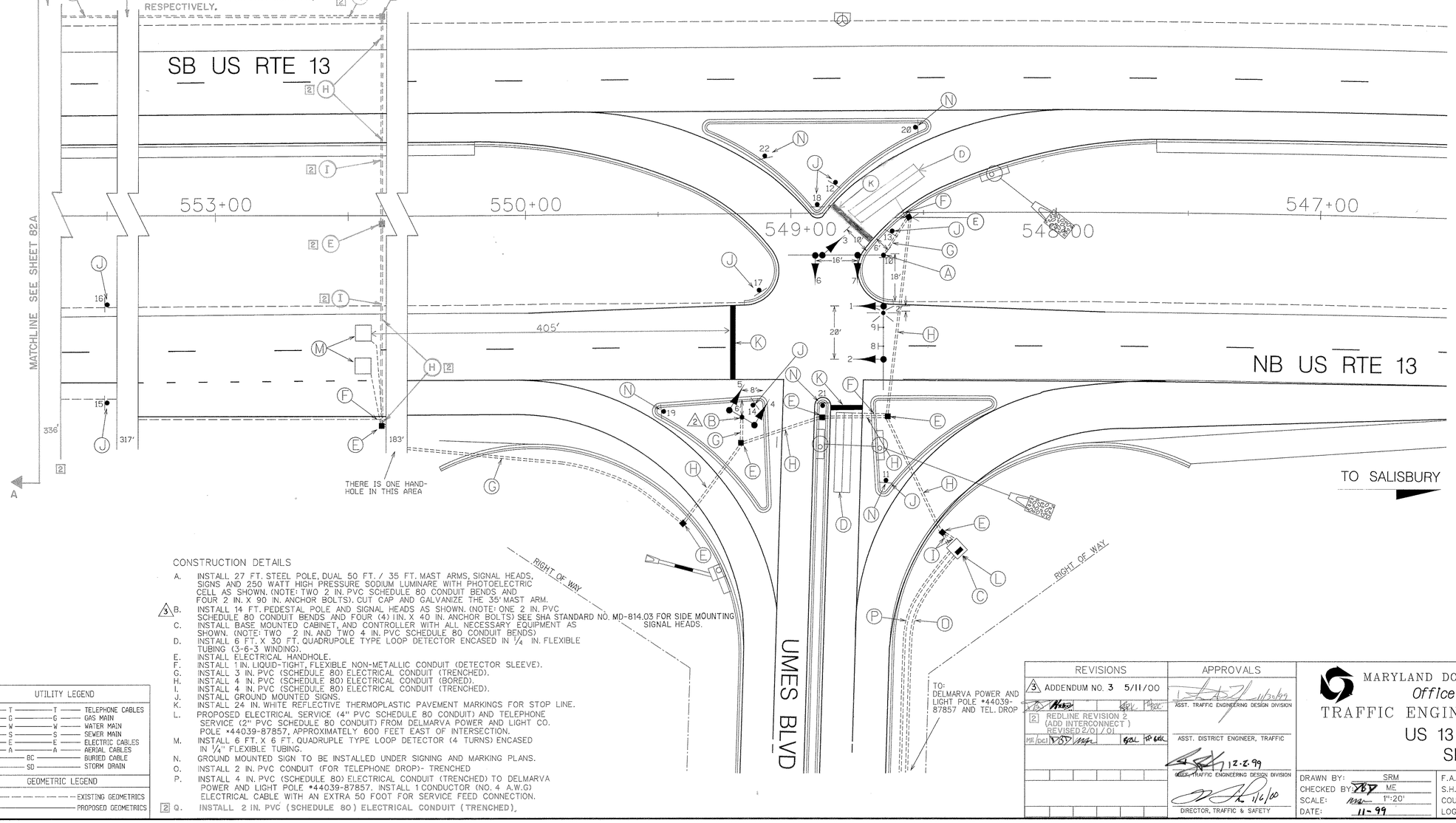
GENERAL NOTE:

1. ALL UNGERGROUND UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCIEVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE OPPROPRIATE PROJECT ENGINEER.

[2] INSTALL NEW HANDHOLE IN THIS AREA AT STATIONS 557+40 AND 558+90, RESPECTIVELY.

TO POKOMOKE CITY

[2] INSTALL 2 NEW HANDHOLES IN THIS AREA AT STATIONS 554+00 AND 555+70, RESPECTIVELY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE, DUAL 50 FT. / 35 FT. MAST ARMS, SIGNAL HEADS, SIGNS AND 250 WATT HIGH PRESSURE SODIUM LUMINARE WITH PHOTOELECTRIC CELL AS SHOWN. (NOTE: TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS AND FOUR 2 IN. X 90 IN. ANCHOR BOLTS). CUT CAP AND GALVANIZE THE 35' MAST ARM.

[3] B. INSTALL 14 FT. PEDESTAL POLE AND SIGNAL HEADS AS SHOWN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BENDS AND FOUR (4) IN. X 40 IN. ANCHOR BOLTS) SEE SHA STANDARD NO. MD-814.03 FOR SIDE MOUNTING SIGNAL HEADS.

C. INSTALL BASE MOUNTED CABINET, AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: TWO 2 IN. AND TWO 4 IN. PVC SCHEDULE 80 CONDUIT BENDS)

D. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING).

E. INSTALL ELECTRICAL HANDHOLE.

F. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR SLEEVE).

G. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).

H. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (BORED).

I. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).

J. INSTALL GROUND MOUNTED SIGNS.

K. INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.

L. PROPOSED ELECTRICAL SERVICE (4" PVC SCHEDULE 80 CONDUIT) AND TELEPHONE SERVICE (2" PVC SCHEDULE 80 CONDUIT) FROM DELMARVA POWER AND LIGHT CO. POLE #44039-87857, APPROXIMATELY 600 FEET EAST OF INTERSECTION.

M. INSTALL 6 FT. X 6 FT. QUADRUPLE TYPE LOOP DETECTOR (4 TURNS) ENCASED IN 1/4" FLEXIBLE TUBING.

N. GROUND MOUNTED SIGN TO BE INSTALLED UNDER SIGNING AND MARKING PLANS.

O. INSTALL 2 IN. PVC CONDUIT (FOR TELEPHONE DROP)- TRENCHED

P. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED) TO DELMARVA POWER AND LIGHT POLE #44039-87857. INSTALL 1 CONDUCTOR (NO. 4 A.W.G) ELECTRICAL CABLE WITH AN EXTRA 50 FOOT FOR SERVICE FEED CONNECTION.

[2] Q. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED),

UTILITY LEGEND	
T — T	TELEPHONE CABLES
G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
BC —	BURIED CABLE
SD —	STORM DRAIN
GEOMETRIC LEGEND	
	EXISTING GEOMETRICS
	PROPOSED GEOMETRICS

DANIEL CONSULTANTS, INCORPORATED
CONSULTING ENGINEERS • COLUMBIA, MARYLAND

REVISIONS	APPROVALS
[3] ADDENDUM NO. 3 5/11/00	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
[2] REDLINE REVISION 2 (ADD INTERCONNECT) REVISED 2/01/01	ASST. DISTRICT ENGINEER, TRAFFIC
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 13 AT UMES BLVD
SIGNAL PLAN

DRAWN BY: SRM	F.A.P. NO. SEE TITLE SHEET	TS NO. 3952	SHEET NO. 82 OF 109
CHECKED BY: ME	S.H.A. NO. S03655171		
SCALE: 1"=20'	COUNTY: SOMERSET	T.I.M.S. NO.	
DATE: 11-99	LOG MILE:		